

Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

User Input: Watershed Characteristics

0.010

2000 ft

29.84	acres
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50.0%	percent
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percent

percent

100.0% percent

Location for 1-hr Rainfall Depths (use dropdown):

User Input

Extended Detention [illegible]

After completing and printing this worksheet to a pdf, go to:

<https://maperture.digitaldataservices.com/gvh/?viewer=cswdif>

create a new stormwater facility, and

attach the pdf of this worksheet to that record.

Routed Hydrograph Results

Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.53	1.16	1.44	1.68	2.16	2.42	in
Calculated Runoff Volume =	0.513	1.295	1.891	2.431	3.996	4.838	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.512	1.295	1.890	2.431	3.995	4.838	acre-ft
Time to Drain 97% of Inflow Volume =	31.6	37.3	37.6	36.3	32.5	30.5	hours
Time to Drain 99% of Inflow Volume =	33.0	40.4	41.9	41.5	40.3	39.4	hours
Maximum Ponding Depth =	2.39	3.55	4.23	4.62	5.52	5.94	ft
Maximum Poned Area =	0.51	0.60	0.65	0.68	0.74	0.77	acres
Maximum Volume Stored =	0.443	1.086	1.505	1.762	2.407	2.723	acre-ft

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